| | Type | L # | Hits | Search Text |
|---|------|-----|------|-------------|
| 1 | BRS | L4 | 2193 | (chip or die or dice) near8 (metal$4 or cr or chromium or ti or titanium or tiw or pd or palladium or nb or niobium) near8 ((back or under or below) near (side or surface) or backside or underneath or bottom ) |
| 2 | BRS | L5 | 2530555 | mark$4 or writ$4 or indic$4 or label$6 or stencil$4 |
| 3 | BRS | L6 | 766709 | chip or die or dice or ic or integrat$4 near2 circuit |
| 4 | BRS | L7 | 1658291 | ((back or under or below) near (side or surface) or backside or underneath or bottom ) |
| 5 | BRS | L8 | 63046 | 5 near8 7 |
| 6 | BRS | L9 | 139 | 4 and 8 |
| 7 | BRS | L10 | 75 | 9 and (@ad < "19991216") |
| 8 | BRS | L11 | 1350406 | mark$4 or writ$4 or indicia$4 or label$6 or stencil$4 |
| 9 | BRS | L12 | 25636 | 11 near8 7 |
| 10 | BRS | L13 | 42 | 4 and 12 |
| 11 | BRS | L14 | 18 | 13 and (@ad < "19991216") |
| 12 | BRS | L15 | 17564 | leadframe or lead adj frame |
| 13 | BRS | L16 | 5 | 14 and 15 |
| 14 | BRS | L17 | 4667 | encapsulat$6 near8 (window or opening or hole or recess$4 or viahole or throughhole or aperature) |
| 15 | BRS | L18 | 4 | 4 and 15 and 17 and 11 |
| 16 | BRS | L19 | 4 | 18 and (@ad < "19991216") |

| | DBs |
|---|---|
| 1 | USPAT;<br>US-PGPUB |
| 2 | USPAT;<br>US-PGPUB |
| 3 | USPAT;<br>US-PGPUB |
| 4 | USPAT;<br>US-PGPUB |
| 5 | USPAT;<br>US-PGPUB |
| 6 | USPAT;<br>US-PGPUB |
| 7 | USPAT;<br>US-PGPUB |
| 8 | USPAT;<br>US-PGPUB |
| 9 | USPAT;<br>US-PGPUB |
| 10 | USPAT;<br>US-PGPUB |
| 11 | USPAT;<br>US-PGPUB |
| 12 | USPAT;<br>US-PGPUB |
| 13 | USPAT;<br>US-PGPUB |
| 14 | USPAT;<br>US-PGPUB |
| 15 | USPAT;<br>US-PGPUB |
| 16 | USPAT;<br>US-PGPUB |

| | Type | L # | Hits | Search Text |
|---|---|---|---|---|
| 17 | BRS | L20 | 40493 | 5 near4 6 |
| 18 | BRS | L21 | 256 | 20 and 4 |
| 19 | BRS | L22 | 164 | 21 and (@ad < "19991216") |
| 20 | BRS | L23 | 28 | 22 and 15 |
| 21 | BRS | L24 | 50017 | (chip or die or dice) near8 (metal$4 or cr or chromium or ti or titanium or tiw or pd or palladium or nb or niobium) |
| 22 | BRS | L25 | 5235 | (chip or die or dice) near8 (metal$4 or cr or chromium or ti or titanium or tiw or pd or palladium or nb or niobium) near8 (sheath$4 or plat$4) |
| 23 | BRS | L26 | 10 | 25 and 15 and 17 and 11 |
| 24 | BRS | L27 | 4 | 26 and (@ad < "19991216") |
| 25 | BRS | L28 | 45123 | heat near2 sink$4 |
| 26 | BRS | L29 | 244 | 6 near8 28 and 15 and encapsulat$4 and 11 |
| 27 | BRS | L30 | 125 | 29 and (@ad < "19991216") |
| 28 | BRS | L31 | 30 | 6 near8 28 and 15 and 17 and 11 |
| 29 | BRS | L32 | 15 | 31 and (@ad < "19991216") |
| 30 | BRS | L33 | 1 | 5147821.pn. |
| 31 | BRS | L34 | 1 | 33 and solder |
| 32 | BRS | L35 | 0 | 33 and ball |
| 33 | BRS | L36 | 1 | 33 and encapsulat$4 |
| 34 | BRS | L37 | 20 | preplat$4 near2 lead |

| | DBs |
|---|---|
| 17 | USPAT; US-PGPUB |
| 18 | USPAT; US-PGPUB |
| 19 | USPAT; US-PGPUB |
| 20 | USPAT; US-PGPUB |
| 21 | USPAT; US-PGPUB |
| 22 | USPAT; US-PGPUB |
| 23 | USPAT; US-PGPUB |
| 24 | USPAT; US-PGPUB |
| 25 | USPAT; US-PGPUB |
| 26 | USPAT; US-PGPUB |
| 27 | USPAT; US-PGPUB |
| 28 | USPAT; US-PGPUB |
| 29 | USPAT; US-PGPUB |
| 30 | USPAT; US-PGPUB |
| 31 | USPAT; US-PGPUB |
| 32 | USPAT; US-PGPUB |
| 33 | USPAT; US-PGPUB |
| 34 | USPAT; US-PGPUB |

| | Type | L # | Hits | Search Text |
|---|------|-----|------|-------------|
| 35 | BRS | L38 | 625 | preform$4 near2 lead |
| 36 | BRS | L39 | 2 | 37 same 38 |
| 37 | BRS | L40 | 2 | 37 and 38 |
| 38 | BRS | L41 | 9 | 37 and (@ad < "19991216") |
| 39 | BRS | L42 | 7871 | plat$4 near lead |
| 40 | BRS | L43 | 1 | 38 same 42 |
| 41 | BRS | L44 | 60267 | 6 near2 (second! or multiple or many or another) |
| 42 | BRS | L45 | 60267 | 6 near2 (second! or multiple or many or another) |
| 43 | BRS | L46 | 308925 | pad |
| 44 | BRS | L47 | 407030 | post |
| 45 | BRS | L48 | 77 | 45 same 46 same 47 |
| 46 | BRS | L49 | 2271 | solder$4 near2 ball near4 reflow$4 |
| 47 | BRS | L50 | 4 | 48 and 49 |
| 48 | BRS | L51 | 116 | remov$4 near4 flash$4 near4 lead |
| 49 | BRS | L52 | 2164128 | remov$4 dambar or dam near bar |
| 50 | BRS | L53 | 493 | solder near2 plat$4 near2 lead |
| 51 | BRS | L54 | 7 | 51 and 52 and 53 |
| 52 | BRS | L55 | 4 | 54 and (@ad < "19991216") |
| 53 | BRS | L56 | 1 | 6214640.pn. |

| | DBs |
|---|---|
| 35 | USPAT;<br>US-PGPUB |
| 36 | USPAT;<br>US-PGPUB |
| 37 | USPAT;<br>US-PGPUB |
| 38 | USPAT;<br>US-PGPUB |
| 39 | USPAT;<br>US-PGPUB |
| 40 | USPAT;<br>US-PGPUB |
| 41 | USPAT;<br>US-PGPUB |
| 42 | USPAT;<br>US-PGPUB |
| 43 | USPAT;<br>US-PGPUB |
| 44 | USPAT;<br>US-PGPUB |
| 45 | USPAT;<br>US-PGPUB |
| 46 | USPAT;<br>US-PGPUB |
| 47 | USPAT;<br>US-PGPUB |
| 48 | USPAT;<br>US-PGPUB |
| 49 | USPAT;<br>US-PGPUB |
| 50 | USPAT;<br>US-PGPUB |
| 51 | USPAT;<br>US-PGPUB |
| 52 | USPAT;<br>US-PGPUB |
| 53 | USPAT;<br>US-PGPUB |

| | Type | L # | Hits | Search Text |
|---|---|---|---|---|
| 54 | BRS | L57 | 1 | 1 and 47 |
| 55 | BRS | L58 | 1 | 56 and 47 |
| 56 | BRS | L59 | 51 | 6 near8 11 near4 ink$4 near4 laser |
| 57 | BRS | L60 | 16 | 59 and (@ad < "19991216") |
| 58 | IS&R | L61 | 2033 | ((438/111) or (438/112) or (438/116) or (438/123) or (438/124)).CCLS. |

|  | DBs |
|---|---|
| 54 | USPAT;<br>US-PGPUB |
| 55 | USPAT;<br>US-PGPUB |
| 56 | USPAT;<br>US-PGPUB |
| 57 | USPAT;<br>US-PGPUB |
| 58 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB |